## MODULE

B

This module is directed toward individuals, such as pharmacists or pharmacy technicians, who prepare or mix Antineoplastic Agents. Other terms used for antineoplastic agents include chemo-therapeutic drugs, cytotoxic drugs, and anti-cancer drugs.

1.	During your career (including all jobs at this and other facilities), how long have you been preparing antineoplastic agents?	<ul> <li>□ Less than 6 months</li> <li>□ At least 6 months but less than a year</li> <li>□ 1-5 years</li> <li>□ 6-10 years</li> <li>□ 11-20 years</li> <li>□ More than 20 years</li> </ul>
2.	When have you received formal training at this facility on procedures for the safe handling of antineoplastic agents?  Please ✓ all that apply.	<ul> <li>□ During orientation for your current job or task</li> <li>□ Once, but not at orientation</li> <li>□ Periodically, but less than once per year</li> <li>□ At least annually (i.e., one or more times every year)</li> <li>□ Other (Please specify):</li> <li>□ Never received training at this facility</li> </ul>
3.	Have you received any certification for handling antineoplastic agents?  Please ✓ all that apply.	<ul> <li>Yes, by employer</li> <li>Yes, a "CPhT" by the Pharmacy Technician Certification Board</li> <li>Yes, by another professional society</li> <li>Yes, by a training provider, other than employer</li> <li>Yes, by other (Please specify):</li> </ul>
4.	Have you seen a copy of the OSHA guidelines for handling hazardous drugs at this facility?	☐ Yes ☐ No
5.	Have you seen written policies or standard procedures at this facility for working with antineoplastic agents?	☐ Yes ☐ No

## 6. Do you ever wear or take home any Yes clothing (protective clothing or street ■ No clothes) which were worn when handling antineoplastic agents at this facility? 7. At any time in the past 7 calendar days did you Yes prepare or mix antineoplastic agents in a Skip to Question 35 pharmacy or pharmacy-like setting? 8. During the past 7 calendar days, which of the following antineoplastic agents did you prepare? Please ✓ all that apply. Aldesleukin Docetaxel Melphalan Alemtuzumab Doxorubicin Methotrexate Epirubicin Alitretinoin Mitomycin-C Estramustine Altretamine Mitotane Etoposide Aminoglutethimide Mitoxantrone Amifostine Exemestane Nilutamide Floxuridine Anastrozole Oxaliplatin Arsenic trioxide Fludarabine Paclitaxel Asparginase-E. coli strain Flutamide Pegaspargase ☐ Fluorouracil BCG live Pentostatin Gemcitabine Bexarotine Plicamycin Bicalutamide ■ Gemtuzumab ozogamicin Procarbazine Bleomycin Goserelin Rituximab Hydroxyurea Busulfan Streptozocin Capecitabine Idarubicin Tamoxifen Ifosfamide Carboplatin Temozolomide Imatinib mesylate Carmustine Teniposide Cetuximab Interferon Alfa-2a Thioguanine Cisplatin Interferon Alfa-2b Thiotepa Chlorambucil Irinotecan Topotecan Cladribine Letrozole Toremifene Cyclophosphamide Leuprolide Trastuzumab Cytarabine Lomustine Tretinoin Dacarbazine Megestrol Valrubicin Daunorubicin Mercaptopurine Vinblastine Dactinomycin Merchlorethamine Vincristine Denileukin diftitox Vincorelbine Other (Please specify up to 2 more antineoplastic agents):

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9.	During the past 7 calendar days, how many days did you prepare or mix antineoplastic agents?	Number of (Please write	days a number from 1-7	7)	
10.	During the past 7 calendar days, what was the total number of dosages of antineoplastic agents you prepared?	1-5 dos 6-10 do 11-20 d 21-40 d	osages losages		
11.	How does the number of dosages of antineoplastic agents you prepared during the past 7 calendar days compare with most weeks?	☐ Past 7	<ul> <li>□ Past 7 days were about normal</li> <li>□ Past 7 days were less than normal</li> <li>□ Past days were greater than normal</li> </ul>		
12.	During the past 7 calendar days, in which of the following areas of this facility did you ever prepare antineoplastic agents? Please ✓ all that apply.	ver			
	12A. From the location(s) checked above, please write the <b>letter</b> (a, b, c, etc.) corresponding to the area where you most often prepared antineoplastic agents during the past 7 days.	Area most	often prepared		ப
13.	During the past 7 calendar days, how often did you prepare antineoplastic agents in	Always	Sometimes	Never	Don't Know
	<ul> <li>A separate room dedicated to the preparation of only antineoplastic agents?.</li> </ul>				
	b. Close proximity (~5 ft) to where food/drinks are consumed by you or any other employees?				
	c. An operating ventilated cabinet dedicated to the preparation of antineoplastic agents?				

14.	During the past 7 calendar days, how often did you prime IV tubing either with antineoplastic drugs or with diluent (i.e. a liquid other than the antineoplastic agent)?	☐ Somet	Sometimes			
15.	During the past 7 calendar days, how often did you prime the IV tubing inside an operating ventilated cabinet?	☐ Always ☐ Somet ☐ Never				
16.	During the past 7 calendar days, how often did you prime the IV tubing with diluent?	☐ Always ☐ Somet ☐ Never				
17.	During the past 7 calendar days when <b>preparing</b> antineoplastic agents, how often did you use a	Always	Sometimes	Never	Don't Know	
	System with Luer-lock (or other similar type) fittings?	🗖				
	b. Needle-less system?	🗖				
	c. Closed-system technology (e.g., PhaSeal®) when transferring drugs from vials?	🗆				
	d. Plastic-backed absorbent pad under the open drug vials and other preparation materials?	🗖				
18.	During the past 7 calendar days, how many times did you puncture your skin with a sharp while <b>preparing</b> antineoplastic agents?	□ None □ One tin □ 2-3 tim □ 4-5 tim □ more the	es			
19.	During the past 7 calendar days when packaging antineoplastic agents for delivery the area(s) where they are administered, how often did you		Someti	mes	Never	
	Package antineoplastic agent dosages in sealed bags?	🗖				
	b. Attach a "hazardous" warning label to packages of antineoplastic agents?	•				
	c. Store prepared antineoplastic agents in a designated area?	🗖				

20.	During the past 7 calendar days, how many spills (even a drop or two) occurred outside of a ventilated cabinet while you were <b>preparing</b> antineoplastic drugs?	No spills	1-2 spills	3-5 spills	More than 5	
	a. Spills less than 5ml					
	b. Spills more than 5ml					
21.	During the past 7 calendar days, did any of the following areas of your skin come into direct contact with antineoplastic agents (i.e., became wet) while <b>preparing</b> them?	Yes	S	No		
	a. Face		-			
	b. Neck					
	c. Hands					
	d Wrist or forearm					

The following questions pertain to the use of personal protective equipment (PPE) during the preparation of antineoplastic agents.

22. During the past 7 calendar days, did you wear a water resistant gown or outer garment with closed front and tight cuffs while preparing antineoplastic agents?

e. Torso, legs or feet .....

_		Skip to Question 24.
_	Sometimes	
П	Never	

23.	wear a	What were the reason(s) you did not always wear a water resistant gown or outer garment with closed front and tight cuffs while preparing antineoplastic agents?  Please ✓ all that apply.		1.	Potential for exposure to antineoplastic agents is insignificant
	while			2.	Exposure to antineoplastic agents is possible but the health hazard is insignificant
				3.	Not required by employer
				4.	Not provided by employer
				5.	Not standard practice
				6.	Too uncomfortable or difficult to use
				7.	Not readily or always available in work area
				8.	Cross contamination to other areas is not a concern
				9.	Other (Please specify):
				_	
	23A.	From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one most important reason you did not wear a water resistent gown or outer garment with closed front and tight cuffs while preparing antineoplastic agents.	Mos	st im	nportant reason
24.	chemo	the past week, did you wear latex or gloves while preparing oplastic agents?			Skip to Question 26.

25.	What were the reason(s) you did not always wear latex or chemo gloves while preparing antineoplastic agents?  Please ✓ all that apply.		1.	Potential for exposure to antineoplastic agents is insignificant
			2.	Exposure to antineoplastic agents is possible but the health hazard is insignificant
			3.	Not required by employer
			4.	Not provided by employer
			5.	Not standard practice
			6.	Too uncomfortable or difficult to use
			7.	Not readily or always available in work area
			8.	Cross contamination to other areas is not a concern
			9.	Other (Please specify):
			_	
	25A. From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one most important reason you did not wear latex or chemo gloves while preparing antineoplastic agents.	Mos	st in	nportant reason
STOP	During the past 7 calendar days if you Newhen preparing antineoplastic agents, s			
26.	During the past 7 calendar days, did you perform any of the following activities while wearing latex or chemo gloves that had been used to prepare antineoplastic agents?			Yes No
	a. Answer the phone			
	b. Use a keyboard or calculator			
	c. Handle files or record cards			
	d. Eat or drink			
	e. Smoke			

27.	During the past 7 calendar days, did you ever reuse latex or chemo gloves while preparing antineoplastic agents (reuse means remove and later put on the same gloves)?	☐ Yes ☐ No
28.	During the past 7 calendar days, did you wear <b>eye protection</b> (safety glasses, goggles, face shield) while preparing antineoplastic agents?	Always Skip to Question 30.  Sometimes Never
29.	What were the reason(s) you did not alway wear eye protection while preparing	s  1. Potential for exposure to antineoplastic agents is insignificant
	antineoplastic agents? Please ✓ all that apply.	<ul> <li>Exposure to antineoplastic agents is possible but the health hazard is insignificant</li> </ul>
		<ul> <li>3. An engineering control (e.g., exhaust ventilation or an enclosure) is already being used</li> </ul>
		<ul> <li>4. Not required by employer</li> </ul>
		5. Not provided by employer
		6. Not standard practice
		7. Too uncomfortable or difficult to use
		<ul> <li>8. Not readily or always available in work area</li> </ul>
		9. Other (Please specify):
	29A. From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one most important reason you did not wear eye protection while preparing antineoplastic agents	Most important reason

30.	wear	g the past 7 calendar days, did you respiratory protection, not including gical mask, while preparing explastic agents?			ways metimes ver Skip to Question 32.		
31.		type(s) of respirator(s) did you use? e ✓ all that apply.			sposable particulate respirator (also lled filtering face-piece respirator, e.g., 95)		
					Half mask or full-face piece respirator with replaceable filters or cartridges Powered air-purifying respirator (PAPR)		
					on't know		
STOR	no	ring the past 7 calendar days if you t including a surgical mask, while p estion 33.					
32.	What were the reason(s) you did not always wear respiratory protection, not including a surgical mask, while preparing antineoplastic agents?  Please ✓ all that apply.			1.	Potential for exposure to antineoplastic agents is insignificant		
				2.	Exposure to antineoplastic agents is possible but the health hazard is insignificant		
				3.	An engineering control (e.g., exhaust ventilation or an enclosure) is already being used		
				4.	Not required by employer		
				5.	Not provided by employer		
				6.	Not standard practice		
				7.	Too uncomfortable or difficult to use		
				8.	Not readily or always available in work area		
				9.	Other (Please specify):		
	32A.	From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one most important reason you did not wear respiratory protection while preparing antineoplastic agents.	Mo	st in	nportant reason		

33.	During the past 7 calendar days, did you wear <b>booties</b> while preparing antineoplastic agents?	Always Skip to Question 35.  Sometimes  Never
34.	What are the reason(s) you did not always wear <b>booties</b> while preparing antineoplastic agents? <b>Please</b> ✓ <b>all that apply</b> .	1. Potential for exposure to antineoplastic agents is insignificant
	agents: Please V all that apply.	<ul> <li>Exposure to antineoplastic agents is possible but the health hazard is insignificant</li> </ul>
		<ul><li>3. Not required by employer</li></ul>
		<ul> <li>4. Not provided by employer</li> </ul>
		5. Not standard practice
		<ul> <li>6. Too uncomfortable or difficult to use</li> </ul>
		<ul> <li>7. Not readily or always available in work area</li> </ul>
		8. Cross contamination to other areas is not a concern
		9. Other (Please specify):
	34A. From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one <b>most important reason</b> you did not always wear <b>booties</b> while preparing antineoplastic agents.	Most important reason

You have now completed this module. Thank you.