CONTINUING EDUCATION TEST

Quality Control Procedures for Newer Radiopharmaceuticals

For each of the following questions, select the best answer. Then circle the reader service card number that corresponds to the answer you have selected. Keep a record of your responses so that you can compare them with the correct answers, which will be published in the next issue of the Journal. Answers to these test questions should be returned on the reader service card no later than March 1, 1992. Supply your name, address, and VOICE number in the spaces provided on the card. Your VOICE number appears on the upper left hand corner of your Journal mailing label. No credit can be recorded without it. A 70% correct response rate is required to receive 0.1 CEU credit for this article. Members participating in the continuing education activity will receive documentation on their VOICE transcript, which is issued in March of each year. Nonmembers may request verification of their participation but do not receive transcripts.

A. Radiochemical purity is defined as the	C. Which radiopharmaceuticals migrate to the solvent front?	F. Testing for radiochemical puri is not necessary prior to use of the.
149. proportion of the total activity	157. [¹²³ I]IMP	newer radiopharmaceuticals.
that is present in any chemical	158. 99mTc mertiatide	175. True
form	159. Ceretec lipophilic fraction	176. False
150. proportion of the specific chem-	160. 99mTc teboroxime	
ical form that is in the entire kit	161. ^{99m} Tc sestamibi	
151. proportion of the total activity	162. 159, 160, & 161	G. When the radiopharmaceutic
that is present in the specific chemical form	163. all of the above	spot has dried prior to solvent development,
152. proportion of the unbound activity that is present in the specific chemical form		177. oxidation of the radiopharm ceutical may occur
	D. The advantage(s) of single-strip chromatography is (are) that it 164. is faster to use	178. binding of all radiopharmaceur cals with support media may r sult
	165. takes 2 min to perform 166. is easy to use	179. inaccurate assessment of radio pharmaceutical purity will resu
	167. takes less than 1 min to perform	180. all of the above
B. What is (are) the most frequent	168. 164, 165, & 166	
error(s) when using miniaturized chromatography?	169. 164, 166, & 167	H. Large errors may result
153. strips are put into the wrong solvent system		counting low activity strips when
154. radiopharmaceutical spot on strip is below initial solvent level	E. Thin layer and/or paper chromatography procedures are not avail-	181. chromatography strips and so vent are too old
and strips are counted incor-	able for	182. strips and/or solvent are reverse
rectly	170. 99mTc exametazime	183. strips are counted in a dose call
155. radiopharmaceutical spot is too	171. ^{99m} Tc teboroxime	brator
large and dries before putting	172. ^{99m} Tc mertiatide	184. strips are counted to close to the
into solvent	173. ^{99m} Tc sestamibi	NaI(T1) well detector
156. strips are cut incorrectly	174. 170, 172, & 173	185. all of the above