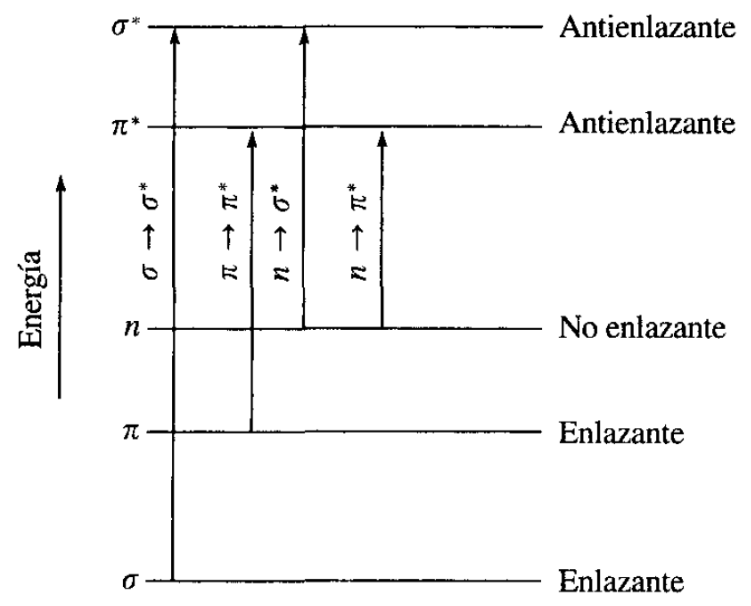
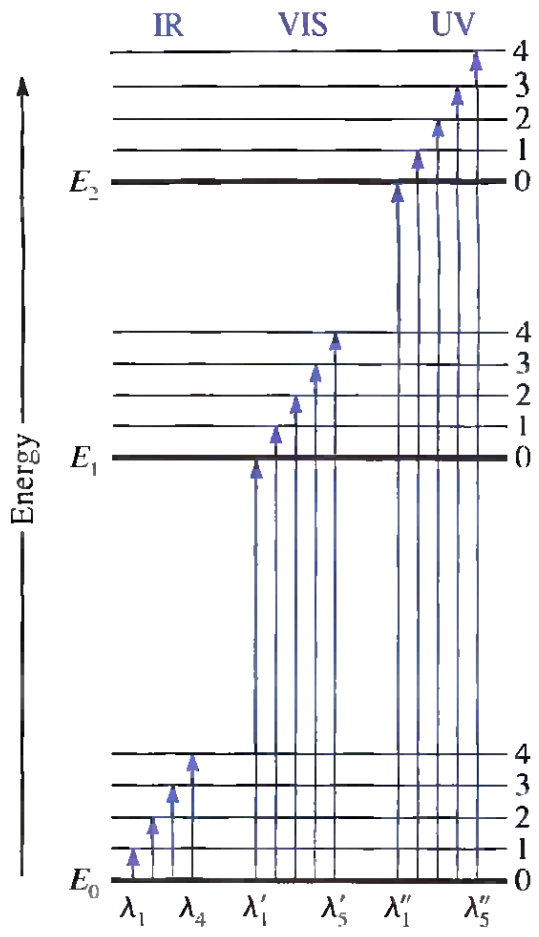


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# Espectrofotometria no UV/Vis: determinação de permanganato em água

Disciplina: Análise Instrumental I

SQM0415



**Figura 14-3.** Niveles de energía electrónicos de los orbitales moleculares

Fontes: SKOOG, D.A.; et al. Fundamentals of Analytical Chemistry, 8 ed.  
 SKOOG, D.A.; et al. Principios de Análisis Instrumental, 5 ed.



Comprimido 100mg STRIP.



Fontes:

[http://1.bp.blogspot.com/-wcnTElOW/UkwR0m87OLI/AAAAAAAAAC54/rjsml6o5e10/s1600/Permanganato de Potassio 100mg.jpg](http://1.bp.blogspot.com/-wcnTElOW/UkwR0m87OLI/AAAAAAAAAC54/rjsml6o5e10/s1600/Permanganato_de_Potassio_100mg.jpg)

[http://wpcontent.answcdn.com/wikipedia/commons/thumb/4/42/KMnO4 in H2O.jpg/120px-KMnO4 in H2O.jpg](http://wpcontent.answcdn.com/wikipedia/commons/thumb/4/42/KMnO4_in_H2O.jpg/120px-KMnO4_in_H2O.jpg)

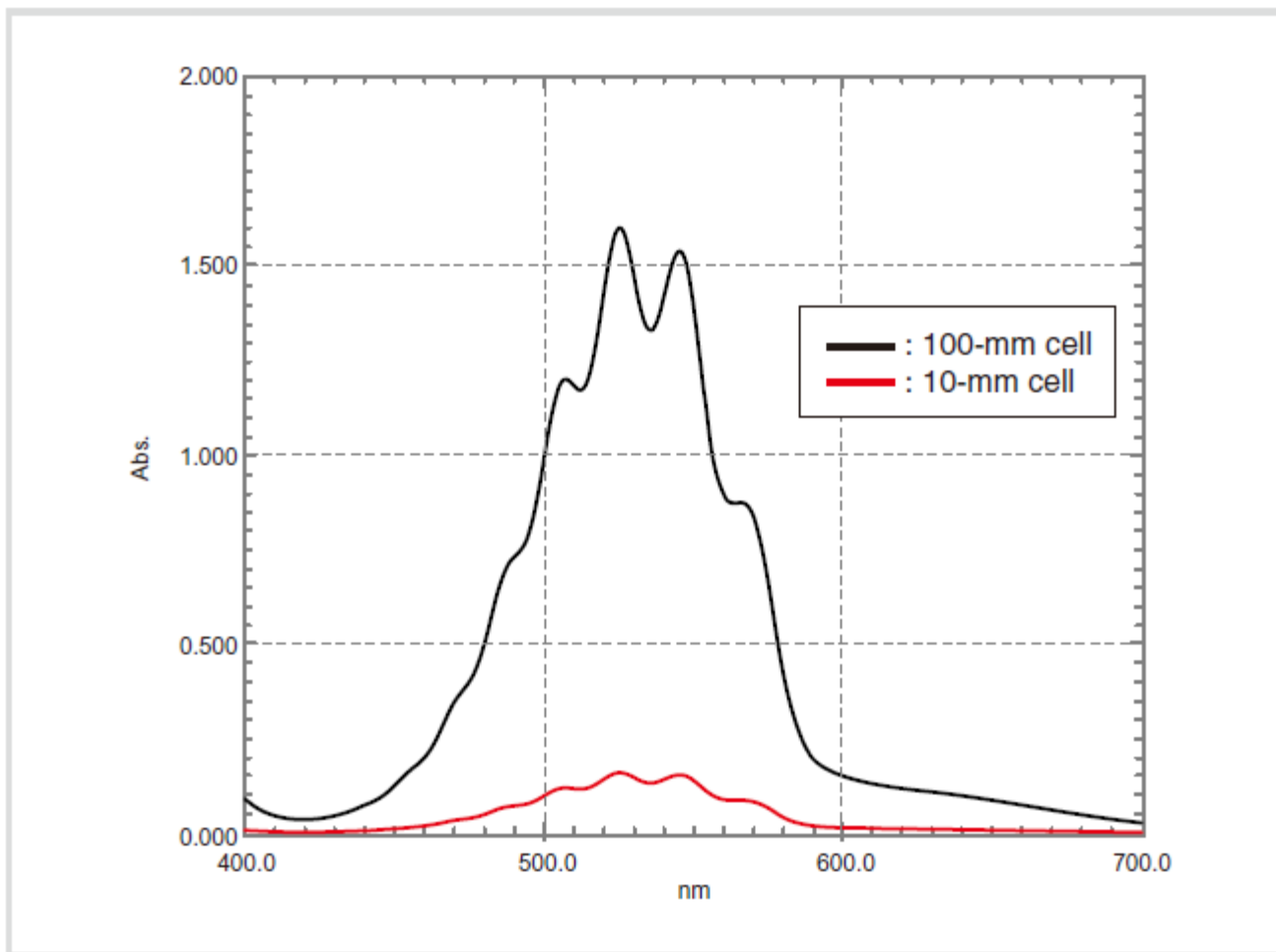
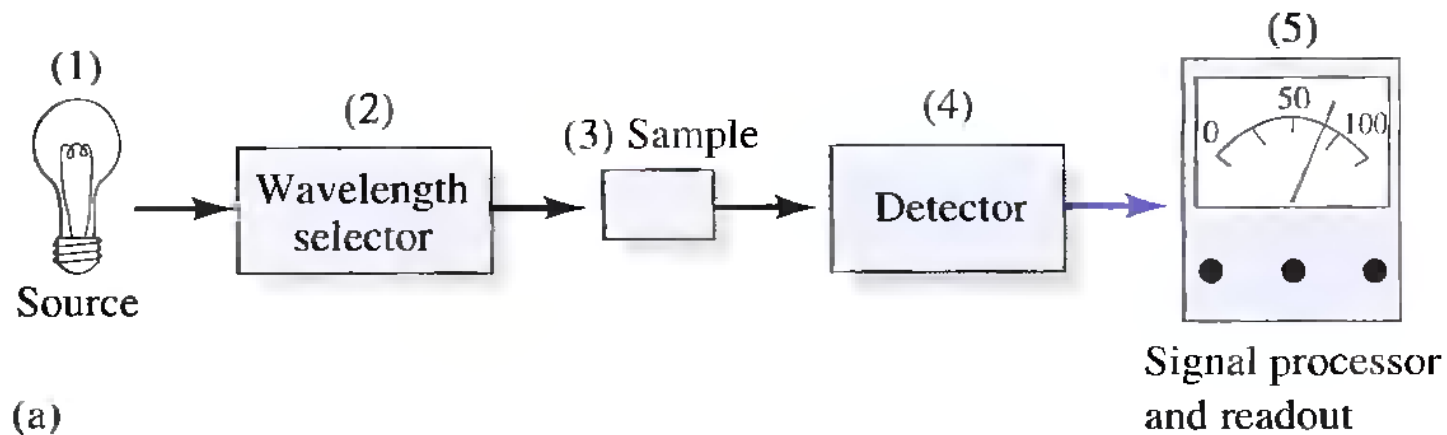
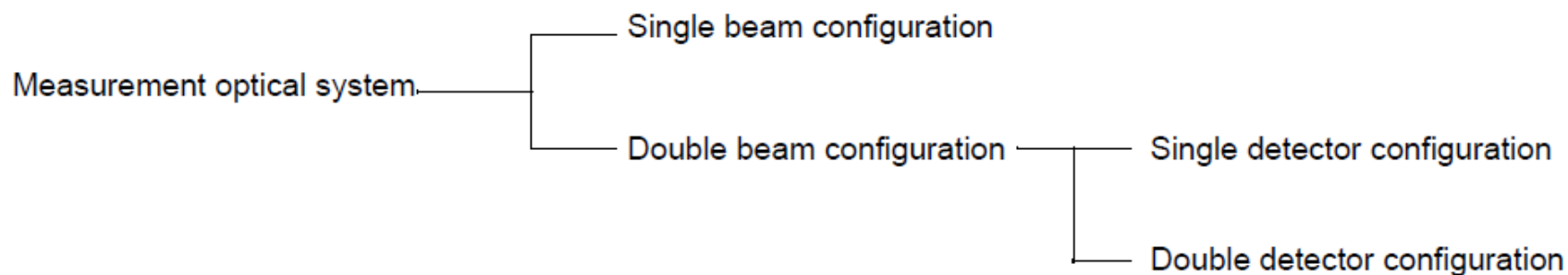


Fig.2 Absorption Spectra of Potassium Permanganate  
(Optical Path Lengths: 100 mm and 10 mm)



# Spectrophotometer Types

Spectrophotometers can be categorized broadly by optical systems as follows:



Fonte: Instruction Manual, System User's Guide, UV-1800 SHIMADZU Spectrophotometer, section 6-18

Table 1 Comparison of Single-Beam and Double-Beam Characteristics

	Single-Beam	Double-Beam
Price	Low	High
Construction	Simple	Complicated
Measurement	Poor time stability	Good time stability

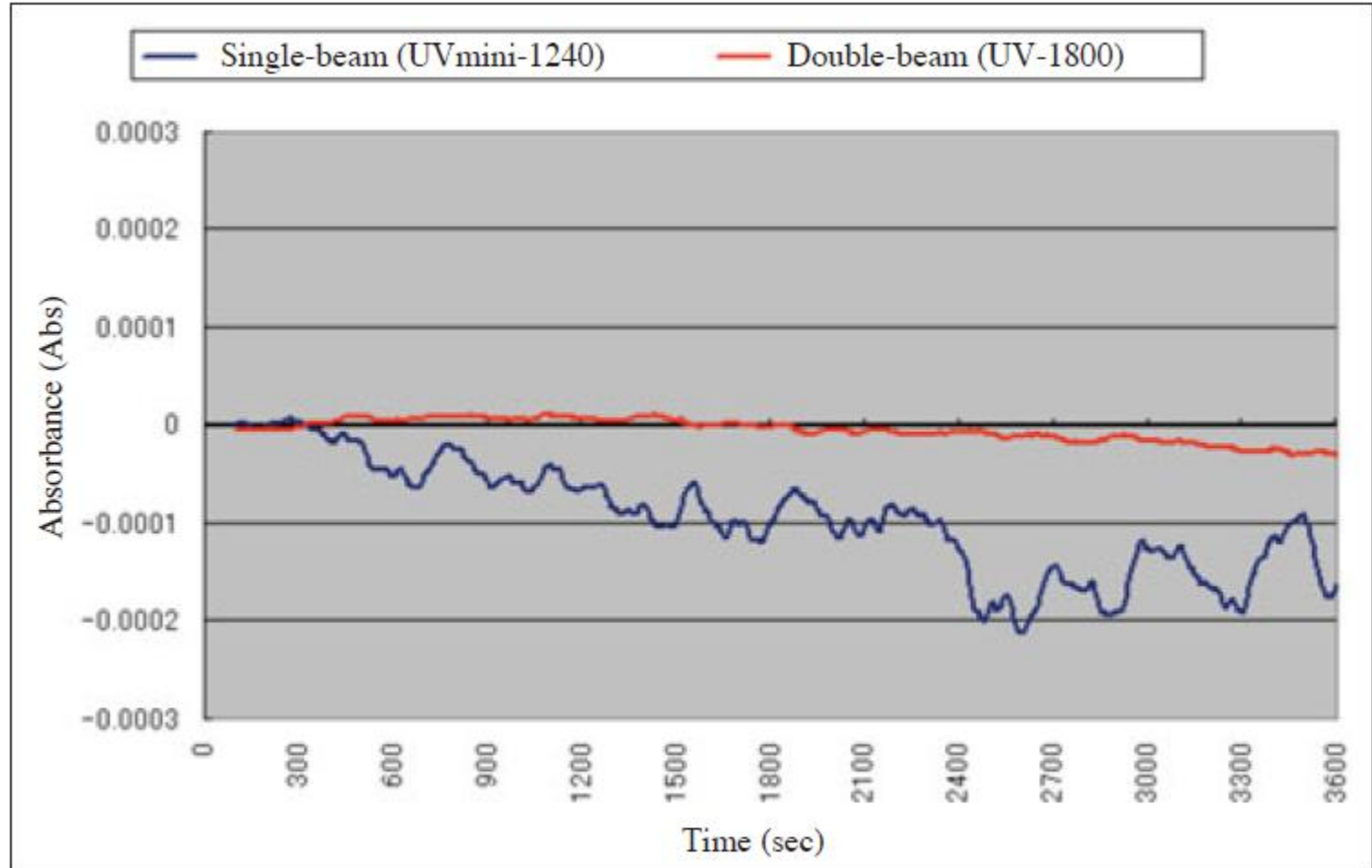


Fig. 2 Comparison of Fluctuations in Measurement Values



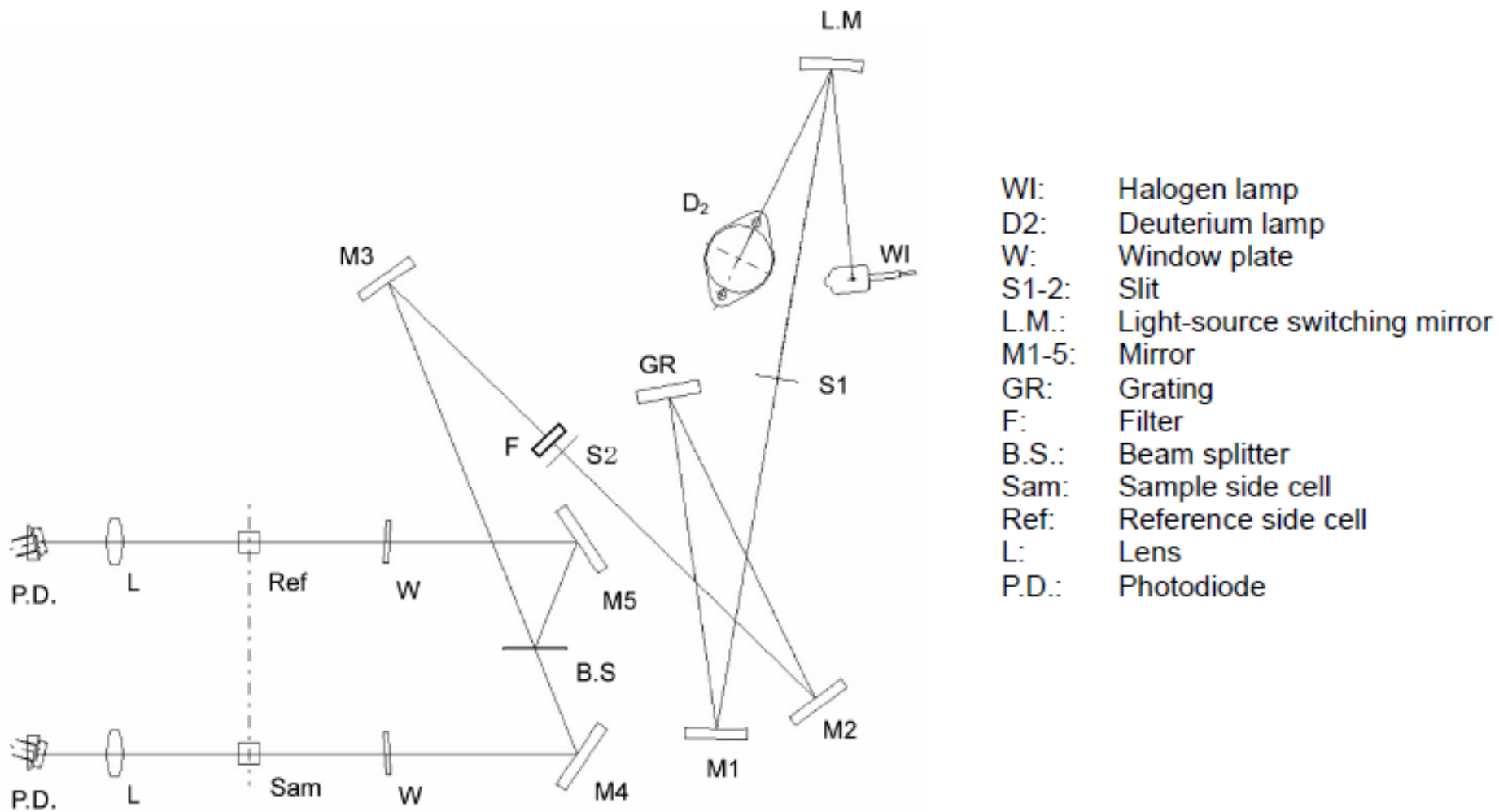


Fig. 6.13 Double beam - double detector configuration (UV-1800)

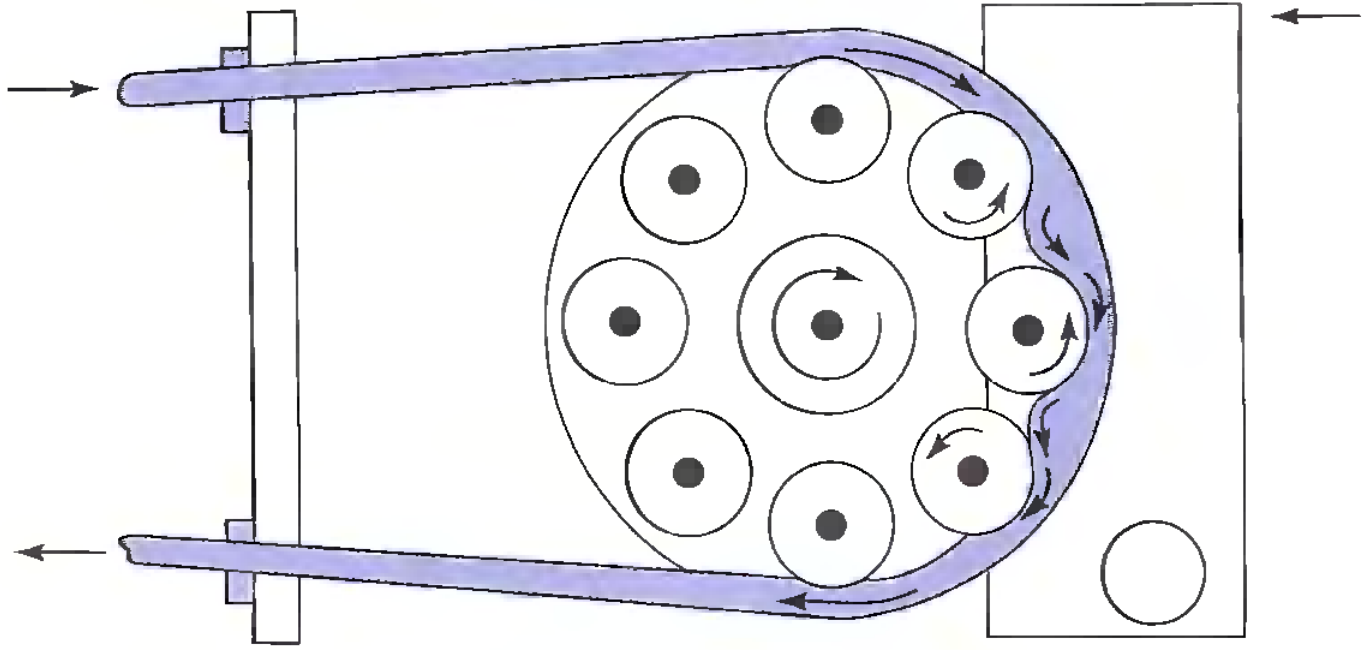
Fonte: Instruction Manual, System User's Guide, UV-1800 SHIMADZU Spectrophotometer, section 6-18

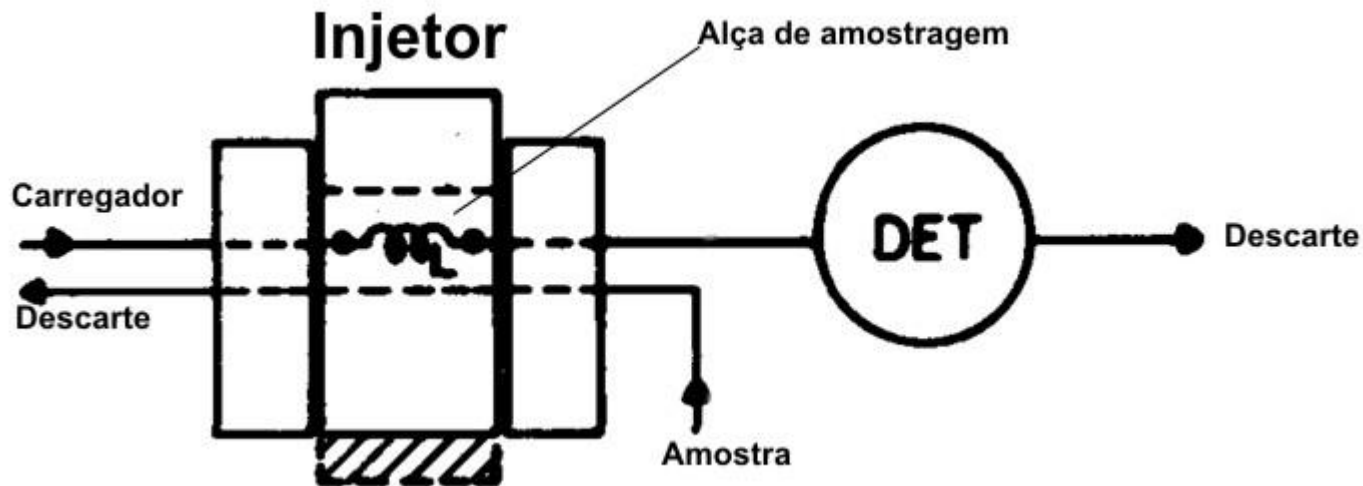
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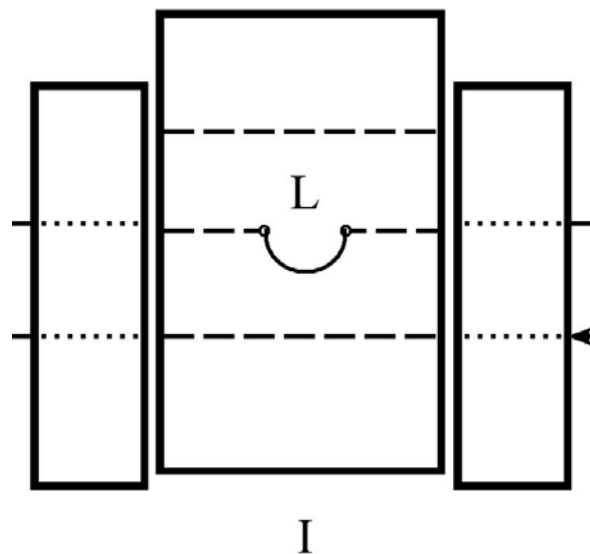
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Fonte: Química Nova, 19 (1) (1996), p. 52



Fonte: Brazilian Journal of Pharmaceutical Sciences vol. 48, n. 2, apr./jun., 2012, p. 330

