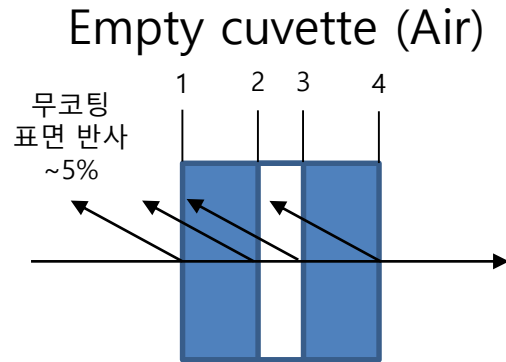


Cuvette 표면 반사와 Water 투과율에 의한 최종 투과율 계산

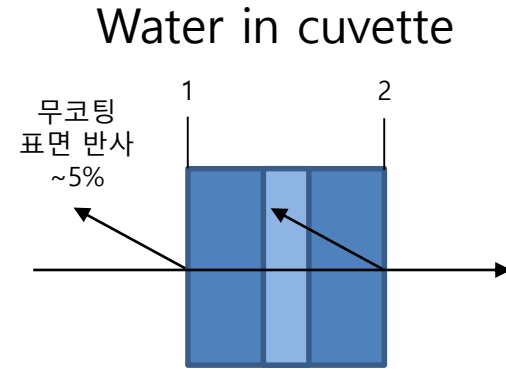
2021-05-31



Cuvette 표면 반사와 Water 투과율에 의한 최종 투과율 계산 **Confidential**



표면 반사 : 4면 X ~5% = ~18.5%

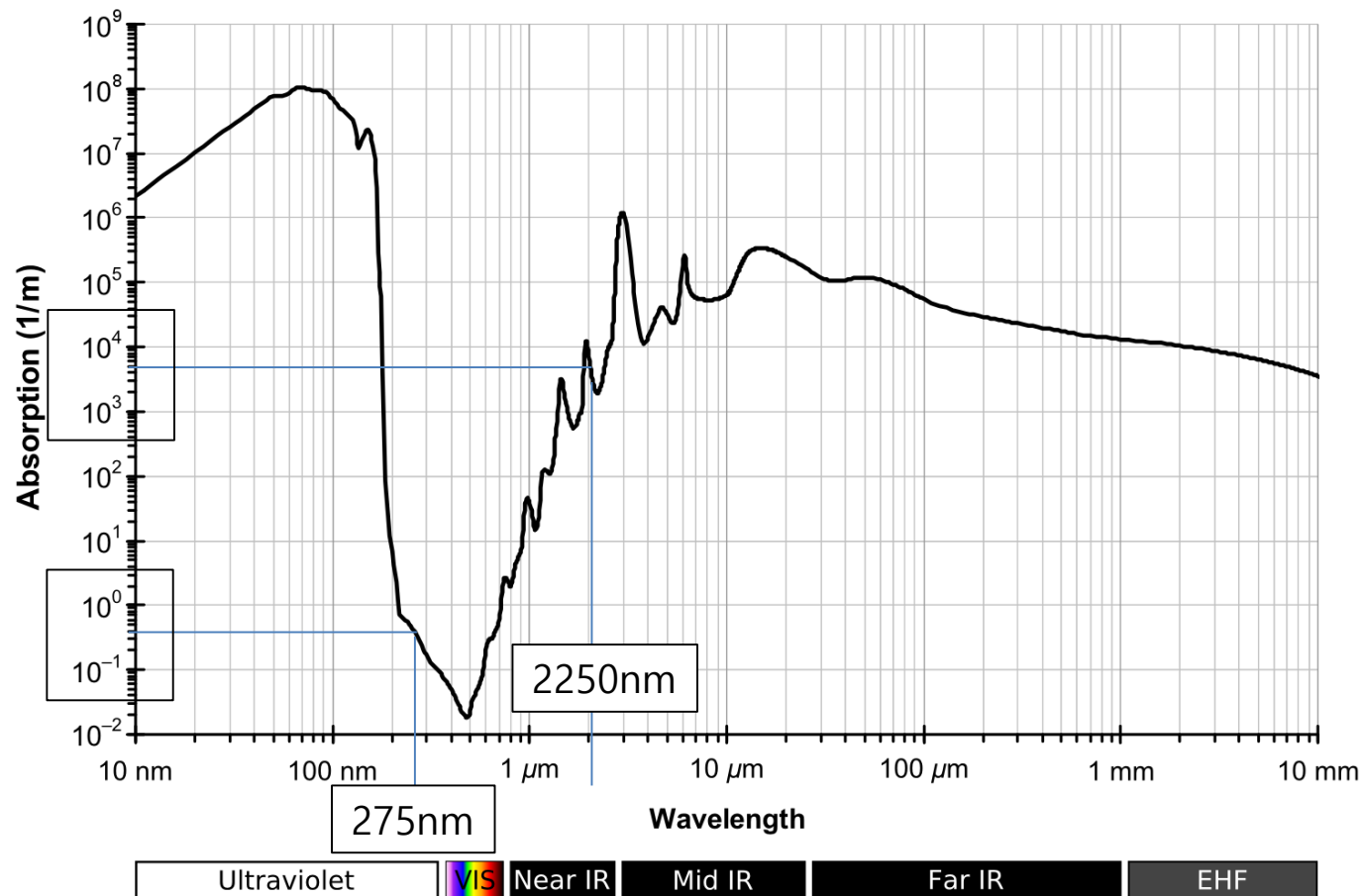


표면 반사 : 2면 X ~5% = ~10%

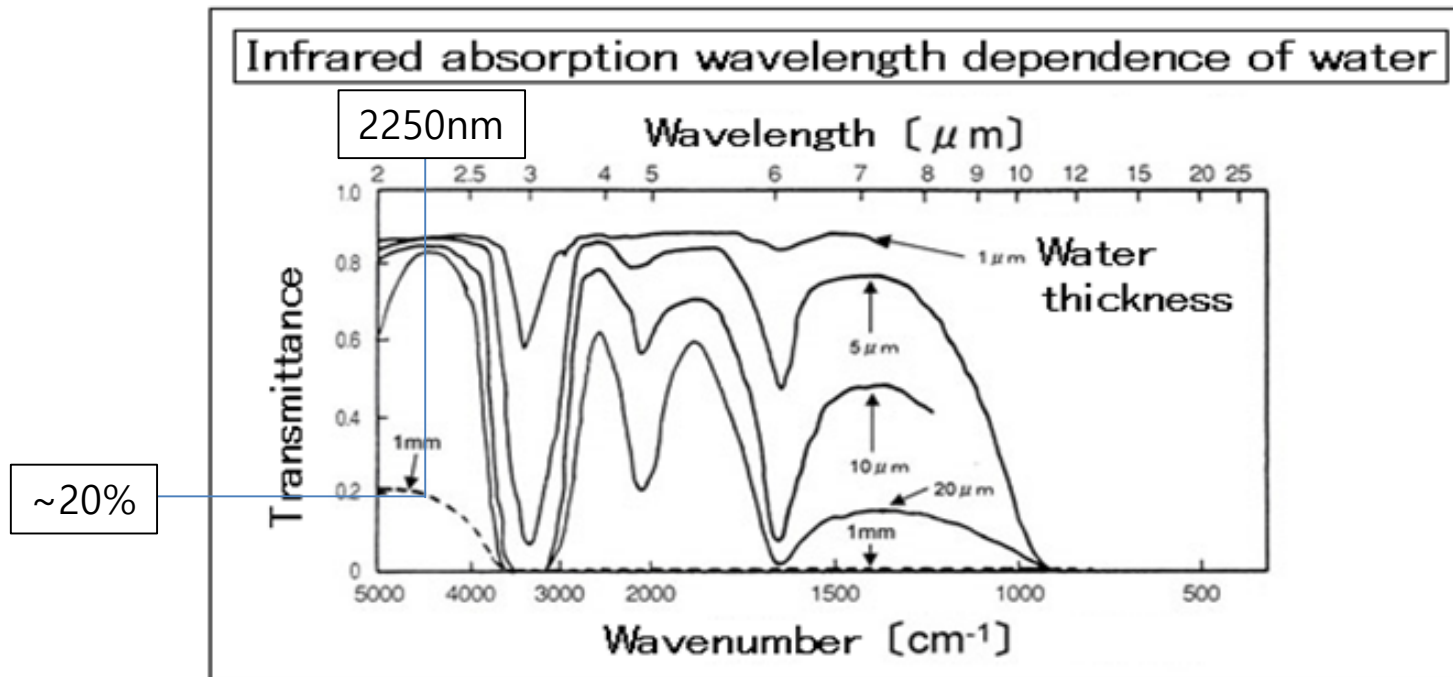
- 275nm water 투과율(@1mm): ~100%
 - Empty cuvette (Air) 투과율 : ~81.5%
 - Water in cuvette 투과율 : ~90%
- 2250nm water 투과율(@1mm) : ~20%
 - Empty cuvette (Air) 투과율 : ~81.5%
 - Water in cuvette 투과율 : ~18%

Appendix. Liquid water absorption spectrum

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Reference: John Bertie. "John Bertie's Download Site - Spectra". Retrieved August 8, 2012.



Reference: 水の赤外吸収波長依存性 渡辺敦夫,清水賢,"食品工業における電磁波の知用(1)," 化学技術誌MOL, pp.120-128, 昭和63年2月.