

DEWS	DRY EYE: DIAGNOSTIC TEST TEMPLATE	
RAPPORTEUR	Kazuo Tsubota	9 th Nov 2004
TEST	Tear Evaporation Test	
TO DIAGNOSE	The evaporative contribution to dry eye. eg. Evaporative Dry eye	REFERENCES
VERSION	[1]	
DESCRIPTION	This test quantitatively measures tear evaporation from the ocular surface.	
CONDUCT of TEST	<ol style="list-style-type: none"> 1. Set-up tear evaporation meter. 2. The patient is instructed to put the tear evaporation device around the eyes for 90 secs ~ 3 mins. 3. Depending on the device, the examination will be performed on one eye or both eyes together. 4. The patient's tear evaporation rate will be calculated by the device. 	Tsubota & Yamada, 1992 Shimazaki et al, 1995 Endo et al, 2001 Goto et al, 2003
Web Video	Available [No]	
Materials:	Evaporimeter	
Standardization	Time of day [n/a] Temperature [below 25°C] Humidity [40%] Air speed [n/a] Illumination [n/a]	Tsubota & Yamada, 1992
Variations of technique		Hamano et al, 1980 Rolando & Refojo, 1983 Rolando et al, 1983 Mathers et al, 1993 Mathers, 1993 Mathers & Lane, 1998 Shimazaki et al, 1998
Diagnostic value	This version : [1] Other version: [] This technique is valuable for research purposes but not for clinical use because this device is not readily available.	
Repeatability	Intra-observer agreement. [acceptable] Inter-observer agreement. [acceptable]	
Sensitivity	[NA]	
Specificity	[NA]	
Other Stats	1	
Test problems	Occasional technical problems	
Test solutions	Further improvements the device.	

References

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