

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Young et al, 2020	67	Early OSCC	0.46	0.06	0.04	0.42	0.92 (0.00 – 1.00)	0.88 (0.00 – 1.00)	0.91 (0.12 – 1.00)	0.90 (0.11-1.00)	0.97 (0.26 – 3.65)	1.33 (0.00 – 218,889.88)	0.99 (0.53 -1.85)	1.13 (0.00 – 545.42)
2.	Spielman et al, 2010	64	Early OSCC	0.45	0.04	0.045	0.45	0.92 (0.00 – 1.00)	0.91 (0.00 – 1.00)			0.99 (0.29 – 3.33)	1.11 (0.00 – 435,426.91)		
3.	Park et al, 2009	100	Early OSCC	0.46	0.05	0.05	0.46	0.90 (0.00 – 1.00)	0.90 (0.00 – 1.00)			1.00 (0.28 – 3.60)	1.00 (0.00 – 129,653.82)		
4.	Zimmerman et al, 2007	64	Early OSCC	0.45	0.045	0.04	0.45	0.92 (0.00 – 1.00)	0.91 (0.00 – 1.00)			0.99 (0.29 – 3.33)	1.11 (0.00 – 435,426.91)		

Table 1: Index Test mRNA salivary biomarker detection by PCR method

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Singh et al 2020	159	Early and Late OSCC	0.52	0.08	0.21	0.153	0.71 (0.00 – 1.00)	0.66 (0.00 – 1.00)	0.46 (0.01– 0.98)	0.60 (0.01-1.00)	2.06 (0.04-105.55)	0.23 (0.00-258.70)	1.83 (0.08-41.37)	1.38 (0.36-5.26)
2.	Yakob et al 2014	100	Early OSCC	0.49	0.096	0.1	0.08	0.83 (0.00 – 1.00)	0.45 (0.00 – 1.00)			1.88 (0.01-372.36)	0.29 (0.00-360.50)		
3.	Brinkmann et al 2010	86	Early and Late OSCC	0.01	0.34	0.9	0.55	0.01 (0.00 – 0.98)	0.62 (0.00 – 1.00)			0.88 (0.00-20,65.97)	1.57 (0.39-6.31)		

Table 2: Index Test IL-1B salivary biomarker detection by ELISA method

**Note :- These values are only of the early stage of oral squamous cell carcinoma

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Singh et al, 2020	159	Early and Late OSCC	0.46	0.10	0.54	0.163	0.46 (0.00 – 1.00)	0.62 (0.00 – 1.00)	0.54 (0.02-0.99)	0.74 (0.00-1.00)	3.54 (0.04-296.32)	0.23 (0.00-73.95)	1.48 (0.17-12.91)	0.31 (0.01-13.17)
2.	Yakob et al, 2014	100	Early OSCC	0.39	0.08	0.2	0.03	0.66 (0.00 – 1.00)	0.27 (0.00 – 1.00)			6.36 (0.00-263,43.09)	0.20 (0.00-131.21)		
3.	Brinkmann et al,2010	86	Early and Late OSCC	0.21	0.07	0.04	0.51	0.54 (0.00 – 1.00)	0.88 (0.00 – 1.00)			1.01 (0.08-13.09)	0.96 (0.00-1813.17)		

Table 3: Index Test IL8 salivary biomarker detection by ELISA method

**Note :- These values are only of the early stage of oral squamous cell carcinoma

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Panta et al,2014	64	Early OSCC	0.45	0.045	0.04	0.45	0.92 (0.00 – 1.00)	0.91 (0.00 – 1.00)	0.89 (0.05-1.00)	0.90 (0.06-1.00)	0.99 (0.29-3.33)	1.11 (0.00-435,42.91)	1.02 (0.48-2.18)	0.95 (0.00-898.23)
2.	John et al,2004	64	Early OSCC	0.43	0.02	0.07	0.48	0.86 (0.00 – 1.00)	0.96 (0.00 – 1.00)			1.09 (0.33-3.60)	0.35 (0.00-1,4123.89)		
3.	Li et al, 2004	64	Early OSCC	0.44	0.09	0.06	0.04	0.88 (0.00 – 1.00)	0.82 (0.00 – 1.00)			0.95 (0.18-4.99)	1.30 (0.00-18,19.02)		

Table 4: Index Test IL8 salivary biomarker detection by PCR method

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Yakob et al,2014	100	Early OSCC	0.08	0.008	0.51	0.39	0.14 (0.00 – 1.00)	0.98 (0.00 – 1.00)	0.32 (0.00 – 1.00)	0.87 (0.00 – 1.00)	6.75 (0.00-452.29)	0.88 (0.29-2.66)	3.05 (0.01-724.28)	0.85 (0.29-2.46)
2.	Brinkmann et al,2010	86	Early and Late OSCC	0.24	0.12	0.16	0.46	0.60 (0.00 – 1.00)	0.79 (0.00 – 1.00)			2.90 (0.01-814.94)	0.50 (0.01-28.00)		

Table 5: Index Test DUSP1 salivary biomarker detection by ELISA method

**Note :- These values are only of the early stage of oral squamous cell carcinoma

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Panta et al,2014	64	Early OSCC	0.45	0.045	0.04	0.45	0.92 (0.00 – 1.00)	0.91 (0.00 – 1.00)	0.76 (0.01 – 1.00)	0.83 (0.01 – 1.00)	10.10 (0.00-703.76)	0.09 (0.00-1121.42)	3.58 (0.03-367.99)	0.42 (0.01-13.61)
2.	Li et al,2004	64	Early OSCC	0.29	0.12	0.2	0.37	0.59 (0.00 – 1.00)	0.76 (0.00 – 1.00)			2.42 (0.01-556.17)	0.54 (0.01-22.52)		

Table 6: Index Test DUSP1 salivary biomarker detection by PCR method

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Yakob et al,2014	100	Early OSCC	0.32	0.04	0.27	0.35	0.54 (0.00 – 1.00)	0.90 (0.00 – 1.00)	0.45 (0.01-0.99)	0.90 (0.01-1.00)	5.29 (0.00-76,150.91)	0.51 (0.03-9.98)	3.63 (0.02-584.01)	0.77 (0.27-2.21)
2.	Brinkmann et al,2010	86	Early and Late OSCC	0.05	0.01	0.34	0.57	0.13 (0.00 – 1.00)	0.98 (0.00 – 1.00)			7.44 (0.00-10,658.28)	0.89 (0.25-3.10)		
3.	Hu et al,2008	128	Early OSCC	0.45	0.09	0.41	0.41	0.52 (0.00 – 1.00)	0.82 (0.00 – 1.00)			2.91 (0.01-1506.75)	0.58 (0.04-7.57)		

Table 7: Index Test s100P salivary biomarker detection by ELISA method

**Note:- 1) These values are only of the early stage of oral squamous cell carcinoma

2) Among the 4 studies for s100P only 1 study evaluated the biomarker by PCR method, so calculated pooled sensitivity, specificity and likelihood ratios was not possible

S.No	Author, Year	Sample Size (N)	Stage of Disease	True Positive	False Positive	False Negative	True Negative	Sensitivity (95% CI)	Specificity (95% CI)	Pooled Sensitivity (95% CI)	Pooled Specificity (95% CI)	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)	Pooled Positive Likelihood Ratio (95% CI)	Pooled Negative Likelihood Ratio (95% CI)
1.	Panta et al,2014	64	Early OSCC	0.45	0.045	0.04	0.45	0.92 (0.00 – 1.00)	0.91 (0.00 – 1.00)	0.91 (0.06-1.00)	0.91 (0.06-1.00)	10.10 (0.00-70,376.28)	0.09 (0.00-1121.42)	9.77 (0.07-1467.80)	0.10 (0.00-17.83)
2.	Spielmann et al,2010	64	Early OSCC	0.45	0.045	0.04	0.45	0.92 (0.00 – 1.00)	0.91 (0.00 – 1.00)			10.10 (0.00-70,376.28)	0.09 (0.00-1121.42)		
3.	Park et al,2009	100	Early OSCC	0.46	0.05	0.05	0.46	0.90 (0.00 – 1.00)	0.90 (0.00 – 1.00)			9.20 (0.00-39,884.39)	0.11 (0.00-470.75)		

Table 8: Index Test miRNA salivary biomarker detection by PCR method

