



References – *in vitro* studies

EQUIA FORTE™ HT

TITLE	Comparative radiopacity of different posterior restorative materials
REFERENCE	Ergucu et al (2019), J Dent Res (Spec Iss 98 B):0406. (https://iadr.abstractarchives.com/abstract/ced-iadr2019-3223354/comparative-radiopacity-of-different-posterior-restorative-materials)
Radiopacity values presented by EQUIA Forte HT (2.24±0.22) are in agreement with ISO requirements.	
This research was conducted by Ergucu, Zeynep, Ege University Faculty of Dentistry, Izmir, Turkey, and associates. The authors received no financial support.	

TITLE	Evaluation of mechanical properties of new GI-restorative (EQUIA Forte HT)
REFERENCE	Shimada Y, Mori D, Kumagai T (2019), J Dent Res (Spec Iss 98 A):3662. (https://iadr.abstractarchives.com/abstract/19iags-3179559/evaluation-of-mechanical-properties-of-new-gi-restorative-equia-forte-ht)
EQUIA Forte HT presented high flexural strength (45.1 MPa) and high translucency (55.9).	
This research was conducted by Shimada, Yusuke, GC Corporation, Tokyo, Japan, and associates.	

TITLE	Stabilization time of chemical bonds in restorative glass-ionomer/glass-hybrid cements
REFERENCE	Pascotto et al (2020), J Dent Res (Spec Iss 99 A):1051. (https://iadr.abstractarchives.com/abstract/20iags-3311721/stabilization-time-of-chemical-bonds-in-restorative-glass-ionomerglass-hybrid-cements)
Time for chemical bonds stabilization of EQUIA Forte HT was 740s, while for Riva it was 393s. The longer it takes for the chemical reactions to stabilize during the setting process, the greater the amount of chemical bonds responsible for the increase in the mechanical properties of the material.	
This research was conducted by Pascotto, Renata, State University of Maringá, Maringá, Paraná, Brazil, and associates. The research was supported by the CNPq grant # 312060/2017-3. The authors received materials from GC Corporation (Tokyo, Japan).	

TITLE	Compression fracture resistance of four different glass-ionomer cements
REFERENCE	Glavina D, Gorseta K (2019) J Dent Res (Spec Iss 98 A):1284. (https://iadr.abstractarchives.com/abstract/20iags-3315894/compression-fracture-resistance-of-four-different-glass-ionomer-cements)
EQUIA Forte HT presented significantly higher fracture resistance than other materials (EQUIA Forte HT 245,3N; Ketac Molar 140,7N; IonoStar Molar 114,5N).	
This research was conducted by Glavina, Domagoj, School of Dental Medicine University of Zagreb, Zagreb, Croatia, and associates. The authors received no financial support.	

TITLE	Compressive strength, microhardness, acid erosion of restorative glasshybrid/glass-ionomer cements
REFERENCE	Navarro M et al (2020) J Dent Res Vol 99 (Spec Iss A):1310. (https://iadr.abstractarchives.com/abstract/20iags-3315298/compressive-strength-microhardness-acid-erosion-of-restorative-glass-hybridglass-ionomer-cements)
EQUIA Forte HT presented the highest compressive strength (207.58MPa) when compared to the other groups. EQUIA Forte HT microhardness was 130.95KHN compared to Ketac Molar at 115.09KHN. For the acid-erosion, there was no statistical difference between the groups.	
This research was conducted by Navarro M, University of Sao Paulo, Bauru SP, Brazil, and associates. The research was supported by the CNPq grant # 312060/2017-3. The authors received materials from GC Corporation (Tokyo, Japan).	



References – *in vitro* studies

EQUIA FORTE™ HT

TITLE	The influence of surface resin coating on the color stability of restorative glass-ionomer /glass hybrid cements
REFERENCE	Menezes-Silva R et al (2020), J Dent Res Vol 99 (Spec Iss A):1312. (https://iadr.abstractarchives.com/abstract/20iags-3315372/the-influence-of-surface-resin-coating-on-the-color-stability-of-restorative-glass-ionomer--glass-hybrid-cements)
The surface coating improved colour stability over time. Ketac Universal presented significant colour alterations after 14 days when compared to EQUIA Forte HT.	
This research was conducted by Menezes-silva, Rafael, Bauru School of Dentistry, Bauru, Brazil, and associates. The research was supported by the CNPq grant # 312060/2017-3. The authors received materials from GC Corporation (Tokyo, Japan).	

TITLE	Mechanical and optical properties of a novel bulk fill glass hybrid restorative dental material
REFERENCE	Shahrooz S et al (2020), J Dent Res Vol 99 (Spec Iss A): 3382. (https://iadr.abstractarchives.com/abstract/20iags-3322102/mechanical-and-optical-properties-of-a-novel-bulk-fill-glass-hybrid-restorative-dental-material)
EQUIA Forte HT presented outstanding translucency and flexural strength.	
This research was conducted by Shahrooz, Sahar, UCLA School of Dentistry, Los Angeles, California, United States. The authors received no financial support.	

TITLE	Effect of Coca-Cola on microhardness of glass-hybrid and glass ionomer materials
REFERENCE	Baraba A et al (2020), J Dent Res Vol 99 (Spec Iss A): 1313 (https://iadr.abstractarchives.com/abstract/20iags-3318270/effect-of-coca-cola-on-microhardness-of-glass-hybrid-and-glassionomer-materials)
After 3 months, the microhardness of EQUIA Forte HT (with and without coat) was not affected by the exposure to Coca-Cola.	
This research was conducted by Baraba, Anja, University of Zagreb, Zagreb, Croatia, and associates. The authors received funding from the Croatian Science Foundation, "Investigation and development of new micro and nanostructure bioactive materials in dental medicine" IP-2018-01-1719.	

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