



Liquidity Cockpit for ETFs - Lite

big xyt offers easy access to European domiciled Exchange Traded Fund (ETF) T+1 venue volume and spread analytics in a single view via our Lite subscription. This covers all ETFs on regular exchanges, request for quote (RFQ) on MTF, OTC, SI and On-Exchange/Off-Book volumes.

After successful registration and log in, simply enter the fund ticker and retrieve the product summary, monthly aggregated volume by venue and trade category, daily traded volume and spread metrics, 'At Touch' and at two sizes, €25k and €100k with percentage presence.

ETF Ticker CSP1

Product Summary

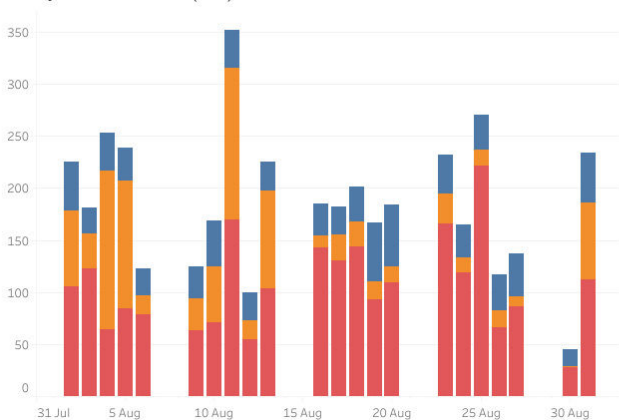
Provider: ISHARES
 Fund Name: iShares Core S&P 500 UCITS ETF USD (Acc)
 Ticker: CSP1
 ISIN: IE00B5BMR087
 Date Range (Month): August 2021

	Value Traded (€m)	% of Total Value Traded
Lit, Dark	779	18.96%
RFQ	2,333	56.77%
Off-Book, OTC	997	24.26%
Grand Total	4,110	100.00%

Monthly Volume (€m) - Venue & Trade Category

	Lit, Dark	RFQ	Off-Book, OTC	Grand Total
Aquis Exchange	15			15
Bloomberg MTF		1,708		1,708
Cboe Europe	72		25	97
Cboe TDM			544	544
CEESEG	0			0
Equiduct	0			0
Euronext	99		0	99
ITG Posit	0			0
LSE	364		428	792
SIX BME	67			67
Tradeweb MTF		626		626
Xetra	163			163
Grand Total	779	2,333	997	4,110

Daily Value Traded (€m)



Monthly Average Spread/Presence (bps/%) - Lit Venues

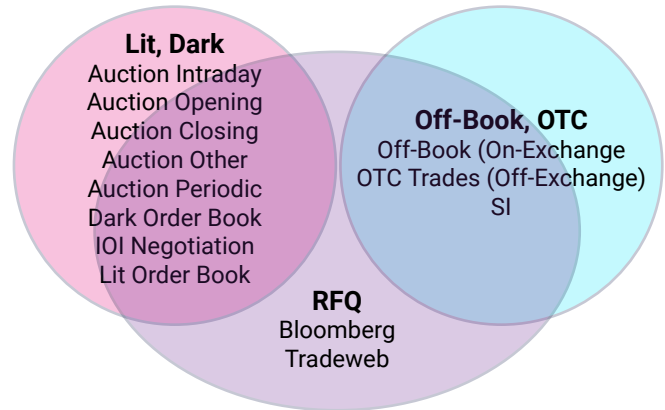
Venue	At Touch Spread	At Touch Presence	At €25k Spread	At €25k Presence	At €100k Spread	At €100k Presence
Aquis Exchange	117.9	73%	40.6	69%	105.9	53%
Aquis Exchange Europe	4.9	71%	3.9	65%	4.3	65%
Borsa Italiana	2.5	100%	2.9	100%	3.2	100%
Cboe BXE	15.9	80%	12.5	75%	25.8	68%
Cboe CXE	19.0	76%	19.8	74%	27.5	24%
Cboe DXE	6.6	96%	9.0	77%	16.4	77%
Euronext Amsterdam	3.1	100%	3.8	100%	4.9	100%
LSE	2.3	100%	2.8	100%	3.7	100%
Prague Stock Exchange	164.3	96%	164.3	96%		0%
SIX Swiss Exchange	3.7	100%	3.7	100%	3.9	100%
Turquoise	130.2	81%	12.6	73%	48.9	0%
Turquoise Europe	94.0	5%	130.5	3%		0%
Wiener Borse AG	20.9	97%	20.9	96%		0%
Xetra	2.3	100%	2.5	100%	2.7	100%

VOLUME

Volume Statistics: Liquidity Cockpit for ETFs offers an unrivalled consolidated view of all European venue volumes including RFQs on MTFs with grouped trade categories in order to compare venue liquidity.

Trade Categories: These employ a normalised classification upon trade conditions derived from the Market Model Typology (MMT) model, a collaborative effort established by a broad range of industry participants.

€ Values: In order to compare measures across all venues, trade values are normalised to a single currency, e.g. for European venues, ECB end-of-day rates are employed.



SPREAD

Market Quality: Liquidity Cockpit for ETFs provides a view on spread metrics across all lit execution venues using various methods, i.e. to aggregate a measure for all ticks of one trading day, the calculation uses a time-weighted average (the weight is the duration of an order book state with millisecond precision).

Effective Spread: This measure represents a simulated buy and sell market order of both €25k and €100k executed at every single state of the order book, i.e. this simulation is performed tick-by-tick (executed based on the top 10 levels of the order book).

big xyt provides independent, flexible smart data and analytics solutions to the market. Our services enable firms to process and normalise large data sets on demand and in real time, in order to analyse execution performance, comply with regulatory standards, and reduce the complexity and costs of technology and operational requirements. Founded in 2014, we have a presence in the major financial centres of Frankfurt, London and New York, and we are newly established in Singapore.

Spread Presence: Percentage value reflects the time of the trading open period when there is sufficient depth in the order book for a given bid spread (in basis points) to exist. Limited only to the not empty order book states within continuous session.

Spread 'At Touch': Reflects the observed bid-offer spread of every single best bid offer quote (BBO). This spread is a relative measure in relation to the mid-price expressed in basis points (0.01%).

LC ETF Service	Functionality
Lite	Single ETFs latent data
Professional	<ul style="list-style-type: none"> ✓ Multiple ETFs by issuer, benchmark, venue, etc. ✓ Peer group compare ✓ Canned reports ✓ Date range selection ✓ T+1 to full history ✓ Data/report extraction ✓ Visualisation technology such as Tableau/Power BI
Enterprise	<ul style="list-style-type: none"> ✓ As per 'Professional' ✓ Access all security analytics via API